

1. INTRODUCTION

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Plant Wansley is located in northeast Heard County, Georgia, approximately 12 miles southeast of the City of Carrollton. The physical address of the plant is 1371 Liberty Church Road, Carrollton, Georgia. The plant property encompasses approximately 5100 acres and is bounded on the east by the Chattahoochee River. Plant Wansley consists of four gas-fired combined cycle units and two coal-fired units.

Georgia Power operates the Plant Wansley Coal Combustion Residual (CCR) Landfill in the southern portion of the plant property. The Plant Wansley CCR Landfill permitted boundary encompasses 324.57 acres and currently operates under Solid Waste Handling Permit No 074-005D(LI)¹ issued by the Georgia Environmental Protection Division (EPD) on July 1, 2010, amended by several minor modifications since the permit's issuance. The last revision to the existing permit was issued on March 21, 2018.

The Plant Wansley CCR landfill operates three (3) landfill cells, i.e. Cells 1, 2 and 3. The landfill cells received approval for operation on April 17, 2012 and placement of CCR in the cells began on June 14, 2012. Given that the cells were constructed prior to October 19, 2015, the CCR landfill at Plant Wansley meets the definition of an "existing CCR Landfill" under the Georgia Solid Waste Rules & Regulations, Rule 391-3-4-.10, Coal Combustion Residuals (Rules).

Georgia Power is submitting the information attached in support of an application for a solid waste handling permit as required by Rules 391-3-4-.10(9)(a), 391-3-4-.10(9)(b), and 391-3-4-.10(9)(c)³ for existing Coal Combustion Residual (CCR) landfills.

¹ The current Solid Waste Handling permit refers to this landfill as a "Coal Combustion By-Product" (CCB) disposal facility. New State and Federal Rules refer to the material disposed in these landfill cells as "Coal Combustion Residuals" or "CCR". All the new documents and drawings developed for this application make references to CCRs; however, some of the supporting documentation and plan drawings that were not revised as part of this permit application still refer to the material disposed at this facility as CCB. For this permit application, CCBs and CCRs refer to the same materials.

2. APPLICATION FORM (GEORGIA EPD)

Send completed application to:
Environmental Protection Division, Solid Waste Management Program
4244 International Parkway, Suite 104
Atlanta, GA 30354-3902

County: _____

Facility Name: _____

CCR Unit - Application for Solid Waste Handling Permit

(Please type or print)

I. APPLICANT INFORMATION

Owner's Name or Registered Corporation Name: Georgia Power Company – Plant Wansley

Facility Address: 1371 Liberty Church Road

Phone: (404) 506-6505

City: Carrollton

State: GA

ZIP Code: 30116

Authorized Official: Aaron D. Mitchell

Title: General Manager – Environmental Affairs

Mailing Address: 241 Ralph McGill Boulevard

Phone: (404) 506-6505

City: Atlanta

State: GA

ZIP Code: 30308

Email Address: gpcenv@southernco.com

Facility CCR Website(s): www.georgiapower.com

II. PROPERTY DETAILS: Complete below and attach a street or highway map indicating the site/facility location. Application must be accompanied by written zoning confirmation.

County: Heard County

City: Carrollton

Co-ordinates (in decimal degrees, near facility center): 33°24'00.70 N 85°02' 52.37 W

Property for Processing/Disposal is: Owned Leased (please complete owner details below)

Property Owner (if leased):

Address:

Phone:

City:

State:

Zip:

III. APPLICATION TYPE:

New Permit

Major Modification to Existing Permit

Transfer of Permit

Other

IV. CCR UNITS: List all CCR units covered under this application

Existing Cells 1, 2 and 3 at the Plant Wansley CCR Landfill

V. OWNERS: List all owners of the facility (defined as holding a 5% or greater share). All owners listed below must complete the Supplemental Form for O.C.G.A. 12-8-23.1(a)(3)(B)

While there are multiple co-owners, Georgia Power Company is the Applicant, an owner, and the sole operator of the facility. Based on Georgia Power's understanding of the applicable law, only Georgia Power is submitting the Supplemental Form.

VI. SIGNATURE

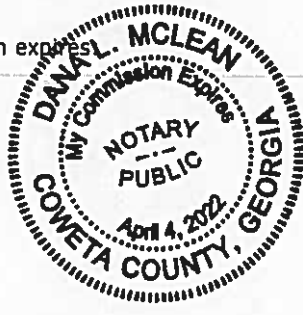
Authorized Official's Signature: *A. S. Mitchell*

Date: *10/25/18*

Sworn to and subscribed before me this *25* day of *October*, 20 *18*.

Notary Public: *Dana L. McLean*

My commission expires



Send with completed application to:
Environmental Protection Division, Solid Waste Management Program
4244 International Parkway, Suite 104
Atlanta, GA 30354-3902

County: _____

Facility: _____

Solid Waste Handling Permit Supplemental Form for O.C.G.A. 12-8-23.1(a)(3)(B)

(Please type or print)

I. INFORMATION: This form must be completed by each owner, or an authorized official of a corporation, holding a 5% or greater ownership share. This form must be notarized.

Name of Facility Applying for Solid Waste Handling Permit: Plant Wansley CCR Landfill

Owner's Name or Registered Corporation Name: Georgia Power Company

Authorized Official: Aaron D. Mitchell

Title: General Manager – Environmental Affairs

Mailing Address: 241 Ralph McGill Boulevard

Phone: (404) 506-6505

City: Atlanta

State: GA

ZIP Code: 30308

Email Address: gpcenv@southernco.com

A.	Yes	No
(1) Has the applicant, or if the applicant is a corporation, partnership, or association, has any officer, director, manager, or shareholder of five percent or more of stock financial interest in the corporation, partnership, or association intentionally misrepresented or concealed any material fact in the application submitted to the director?	<input type="checkbox"/>	x
(2) Has the applicant, or if the applicant is a corporation, partnership, or association, has any officer, director, manager, or shareholder of five percent or more of stock financial interest in the corporation, partnership, or association obtained or attempted to obtain the permit by misrepresentation or concealment?	<input type="checkbox"/>	x
(3) Has the applicant, or if the applicant is a corporation, partnership, or association, has any officer, director, manager, or shareholder of five percent or more of stock financial interest in the corporation, partnership, or association been convicted by final judgment, and all appeals have been exhausted, in the State of Georgia or any federal court of any felony involving moral turpitude within three years immediately preceding the application for a permit?	<input type="checkbox"/>	x
(4) Has the applicant, or if the applicant is a corporation, partnership, or association, has any officer, director, manager, or shareholder of five percent or more of stock financial interest in the corporation, partnership, or association been convicted of any violations of any environmental laws punishable as a felony in any state or federal court within five years preceding the application for a permit?	<input type="checkbox"/>	x
(5) Has the applicant, or if the applicant is a corporation, partnership, or association, has any officer, director, manager, or shareholder of five percent or more of stock financial interest in the corporation, partnership, or association knowingly, willfully, and consistently violated the prohibitions specified in Code Section 12-8-30.7?	<input type="checkbox"/>	x
(6) Has the applicant, or if the applicant is a corporation, partnership, or association, has any officer, director, manager, or shareholder of five percent or more of stock financial interest in the corporation, partnership, or association been adjudicated in contempt of any court order enforcing any federal environmental laws or any environmental laws of the State of Georgia within five years preceding the application for a permit?	<input type="checkbox"/>	x

B. On a separate sheet, please provide detailed explanations for each question above answered "yes."

Signature: A. D. Mitchell

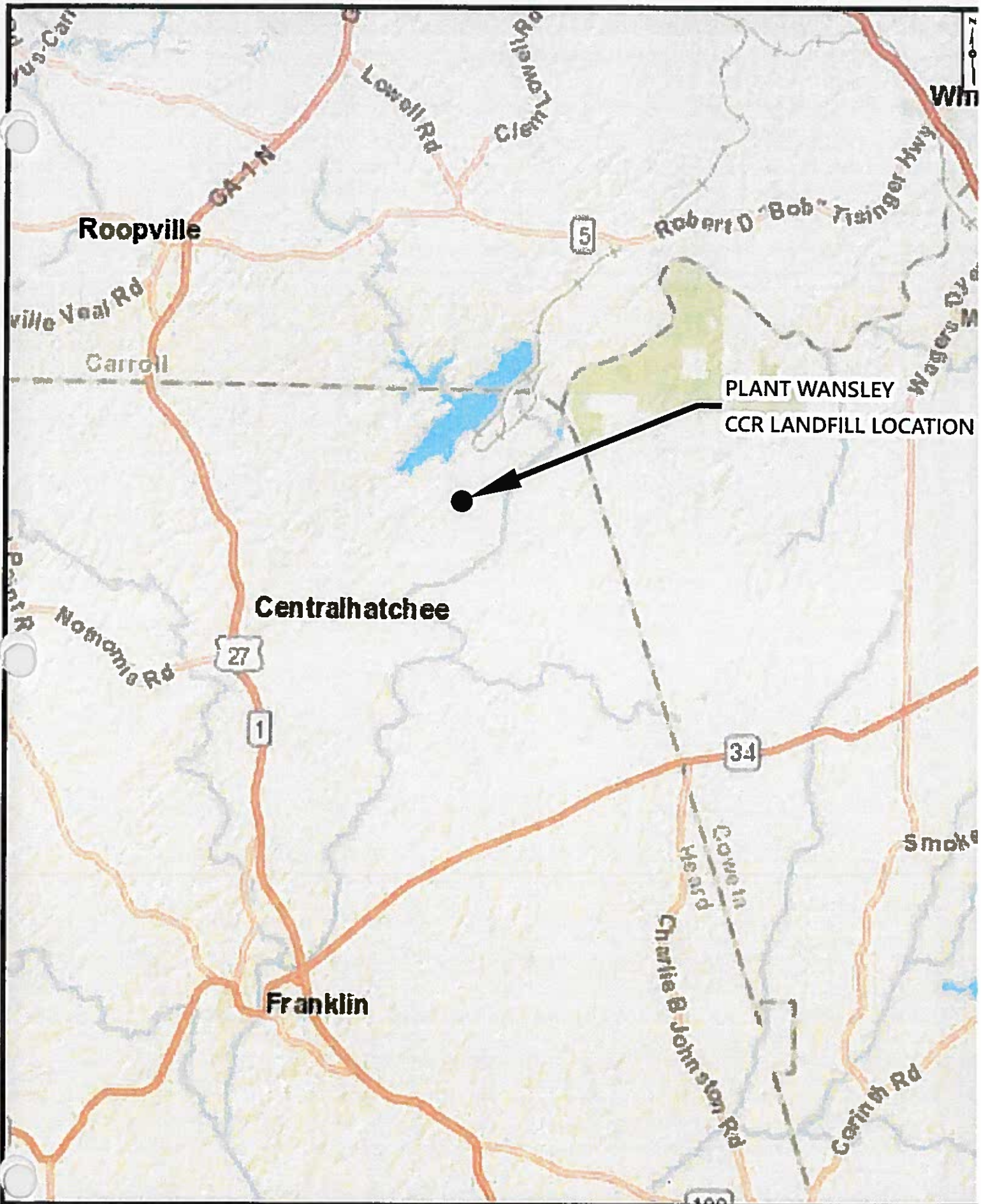
Date: 10/25/18

Sworn to and subscribed before me this 25 day of October, 2018

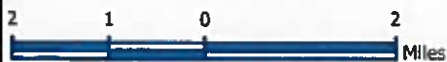
Notary Public: Dana L. McClean

My commission expires: _____





Location Map



Georgia Power Company - Plant Wansley
Coal Combustion Residuals (CCR) Landfill

Date: 10/19/2018



3. LOCAL ZONING OR LAND USE CONFIRMATION

LEE BOONE
Chairman

HEARD COUNTY COMMISSION
P.O. Box 40
215 East Court Square, Room 15
Franklin, Georgia 30217

BOARD OF
COMMISSIONERS

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Finance Director

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DISTRICT 3

JERRY ANN CONNER
COUNTY ATTORNEY

LARRY HAMMOND
DISTRICT 4

JOE ADAMS
DISTRICT 5

October 04, 2017

**Mr. Jeffrey W. Cown, Branch Chief
Georgia Environmental Protection Division
2 Martin Luther King Jr. Drive, SE
Suite 1054, East Floyd Tower
Atlanta, Georgia 30334-9000**

Re: Georgia Power Permit Application-CCR Landfill

Dear Mr. Cown,

**The Georgia Power CCR Landfill located at Plant Wansley, in Heard County,
Georgia complies with local zoning and land use ordinances.**

Sincerely,



**Lee Boone, Chairman
Heard County Board of Commissioners**

cc: O. N. Slappy (Nick)

4. PROFESSIONAL ENGINEER CERTIFICATION



HODGES, HARBIN,
NEWBERRY & TRIBBLE, INC.

Consulting Engineers

September 29, 2022

Mr. Richard Dunn
Director
Georgia Environmental Protection Division
2 Martin Luther King Jr. Drive
Suite 1456
Atlanta, GA 30334-9000

**Re: Professional Engineer Certification
Rule 391-3-4-.10-(9)(b)5**

Dear Mr. Dunn:

Hodges, Harbin, Newberry and Tribble, Inc. (HHNT), is an engineering firm employing professional engineers in good standing in accordance with State statutes, and the firm has experience in the design and construction of solid waste disposal facilities. R. Brant Lane, P.E., with HHNT is the Engineer of Record for this permit application. He is registered in the state of Georgia and has more than 25 years of experience in Engineering.

"I certify under penalty of law that this document and attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I do hereby certify that the application requirements of the Georgia Environmental Protection Division Solid Waste Rule 391-3-4-.10 for Management of Coal Combustion Residuals have been met."

ATTEST:

Hodges, Harbin, Newberry and Tribble, Inc.
Engineering Firm

R. Brant Lane, P.E.
Name of Professional Engineer

Signature

Date



9/29/22

RB Lane

9/29/22

Education

Bachelor of Civil Engineering
Georgia Institute of Technology,
1997

Certifications

Georgia	27185
South Carolina	21474
North Carolina	27198
Florida	62092
Virginia	48990
Alabama	24594
Mississippi	20929
Louisiana	39556
Tennessee	116167

NPDES Level II Design

Professional Service

Georgia Erosion and Sediment
Control Overview Council

Georgia Soil and Water
Conservation Commission
Stakeholder Advisory Board

Mr. Lane is a Registered Professional Engineer with over 20 years of experience providing project management and environmental consulting services to clients throughout the Southeast United States. He has served as the Project Manager for numerous environmental and infrastructure permitting construction and design projects, including solid waste/CCR landfill, landfill gas collection, waste transfer facilities, hazardous site cleanup, mining facilities, storm water management facilities, roadway, water distribution, wastewater collection and recreation. He has performed numerous siting, feasibility evaluations and cost estimates on solid waste disposal facilities and the solid waste landfill closure alternatives.

Relevant Experience

- **Private Utility Client**

Senior Technical Engineer for the evaluation of coal combustion residual (CCR) management strategy at five electric power producing facilities. The work included an assessment of the CCR management strategy compliance with 40 CFR Par 257 and all state regulations on CCR. The evaluation included a review of structural stability compliance with Part 257, water handling strategy, CCR handling requirements, disposal alternatives and permitting strategy, proposed impoundment closure schedule and community acceptance of closure strategy for all CCR impoundments at each facility. The evaluation included quantifying risk and support in the development of cost estimates for the CCR management strategy.

- **Private Client, Georgia**

Senior Level Design Engineer for a CCR monofill. Facility includes approximately 13 million cubic yard CCR disposal capacity composite liner, leachate collection and CCR contact water handling facilities, wetland permitting, and new rail unloading facilities. Project duties include senior level review and strategic design, development of leachate and contact water handling facility design and quality assurance. Includes CCR handling and operations plan, closure plan and cost estimates for closure and post closure care.

- **Landfill Construction and Closure, Southeastern United States**

Lead Engineer and Senior Designer on over 40 composite lined landfill cell construction and closure construction projects. Projects include soil liners and caps, geomembrane liners and closure systems, leachate collection, leachate pumping and storage, borrow areas, alternate liner and cap system evaluations, construction quality assurance plans and management of the CQA Engineer, budget forecasting and tracking of all vendors and contractors. The work has been performed under numerous state agencies and regulations including North Carolina, Tennessee, South Carolina, Georgia, Alabama and Florida.

- **Habersham County Landfill, Georgia**
Lead engineer and primary consultant for Habersham County solid waste program. Completed successful horizontal and vertical expansion of the landfill footprint including management of all site hydrogeologic work, landfill design, engineering report, and public participation requirements. Prepared new solid waste management plan for the county and conducted all public participation proceedings. Evaluated and prepared remediation plan for landfill gas migration issues, provides annual capital budget projections, and design and construction oversight on landfill construction
- **Private Landfill Client, Georgia**
Engineer of record for this facility. Projects include Subtitle D Landfill closure, an exposed geomembrane cap, two municipal solid waste landfill cells, permitting adjacent tracts of land for soil borrow, landfill gas extraction system design and construction, leachate handling facilities design and construction, storm water management ponds and landfill expansion. The expansion project involves the significant expansion of a lined MSW landfill and the mining of an existing unlined MSW landfill and modification of the corrective active plan of the unlined facility. This project required extensive permitting negotiations with Georgia EPD. Continuing work on this landfill includes evaluation of landfill cell construction alternatives, construction cost estimating, capital projections and budget tracking of all capital projects.
- **Private Landfill Client, Southeastern United States**
Senior Engineer for all aspects of landfill operations consulting on 16 landfills in Florida, Georgia, Alabama, Mississippi, and Tennessee. Provided senior level consulting on items such as interim fill plans, landfill gas migration and remediation, groundwater monitoring and remediation, landfill gas extraction systems, soil balance and borrow site development, alternate daily covers, landfill cover planning, landfill expansion planning and strategy, stormwater management, coordination with State environmental agencies, reporting and landfill stability.
- **TVA Gallatin, Tennessee Fossil Plant**
Provided senior engineering assistance and site inspection for the peer review of the composite lined landfill construction. Inspection work focused on protective cover and leachate collection system installation and quality assurance.
- **Private Client, Georgia**
Lead Engineer and project manager for two Subtitle D landfill closure projects totaling approximately 60 acres. Projects included all elements of design, permitting of an alternate final closure design to match available cap materials, landfill gas system modifications, bidding, contract management, management of construction quality assurance work and final certification to the Georgia Environmental Protection Division.